JOURNAL OF OPTIMIZATION
THEORY AND APPLICATIONS

Vol. 33, No. 1 January 1981

CONTENTS

CONTRIBUTED PAPERS

Variational Equations for the Eigenvalues and Eigenvectors of Nonsymmetric Matrices, *R. Kalaba, K. Spingarn, and L. Tesfatsion* . . 1

A Minimization Method for the Sum of a Convex Function and a Continuously Differentiable Function, *H. Mine and M. Fukushima* . . 9

A Conjugate Directions Method for Subjective Assessment of Normal Distributions, *S. S. Oren* 25

On the Use of Purely Finitely Additive Multipliers in Mathematical Programming, *J. Ponstein* 37

On Equating the Difference Between Optimal and Marginal Values of General Convex Programs, *K. O. Kortanek and A. L. Soyster* 57

Optimal Fields for Problems with Delays, *V. L. Bakke* 69

Lagrange Multipliers for Regular and Singular Problems in the Calculus of Variations, *J. S. Bradley and D. C. Chang* 85

Sufficient Conditions for Optimality of Threat Strategies in a Differential Game, *A. Ray and A. Blaquière* 99

Optimal Threat Strategies in Collective Bargaining, *A. Ray* 111

Penalty Approximation of a Sobolev Optimal Control Problem with State Constraints, *L. W. White* 121

On the Convergence of Policy Iteration for Controlled Diffusions, *M. L. Puterman* 137

TECHNICAL NOTE

Characterizing Properties of the Value Function of Stochastic Games, *S. H. Tijs and O. J. Vrieze* 145

BOOK NOTICES 151

GENERAL INFORMATION

Editorial Policy 153

Preparation of Papers 155

Editorial Addresses . . . . . .

JOURNAL OF OPTIMIZATION
THEORY AND APPLICATIONS

Vol. 33, No. 2 February 1981

CONTENTS

CONTRIBUTED PAPERS

Convergence of the Conjugate Gram–Schmidt Method, *I. B. Russak* . 163

Solution of Nonsymmetric Linear Complementarity Problems by Iterative Methods, *B. H. Ahn* 175

Stepsize Analysis for Descent Methods, *A. I. Cohen* 187

Solving Nonlinear Inequalities in a Finite Number of Iterations, *D. Q. Mayne, E. Polak, and A. J. Heunis* 207

Lagrange Multipljer Rules for Extremals in Linear Spaces, *Y. Nagahisa* 223

On the Regulator Problem for Linear Degenerate Control Systems, *L. Pandolfi* 241

On the Trajectories of Generalized Functional-Differential Systems of Neutral Type, *M. Kisielewicz* 255

Optimal Inputs for Blood Glucose Regulation Parameter Estimation, Part 3, *R. E. Kalaba and K. Spingarn* 267

TECHNICAL NOTE

Optimality Conditions in Fractional Programming, *C. Singh* 287

BOOK NOTICES 295

RESEARCH REPORTS 299

GENERAL INFORMATION

Editorial Policy 301

Preparation of Papers 303

Editorial Addresses 307

JOURNAL OF OPTIMIZATION
THEORY AND APPLICATIONS

Vol. 33, No. 3 March 1981

CONTENTS

CONTRIBUTED PAPERS

Degenerate Values for Broyden Methods, *R. Fletcher and J. W. Sinclair* . 311
Pseudo-Duality and Saddle Points, *U. Passy and S. Yutav* 325
Pseudo-Duality in Mathematical Programs with Quotients and Products, *U. Passy* 349
An Orderfield Property for Stochastic Games when One Player Controls Transition Probabilities, *T. Parthasarathy and T. E. S. Raghavan* . . 375
Some Remarks on the Existence of Optimal Controls for Quasilinear Systems, *L. Socha* 393
Planar Pursuit–Evasion with Variable Speeds, Part 1, Extremal Trajectory Maps, *U. R. Prasad, N. Rajan, and N. J. Rao* 401
Planar Pursuit–Evasion with Variable Speeds, Part 2, Barrier Sections, *N. Rajan, U. R. Prasad, and N. J. Rao* 419

ERRATA CORRIGE

A Critical Condition for the Cost Density in the Circular City Model, *N. R. Zitron* 433

BOOK NOTICES 435

RESEARCH REPORTS 439

GENERAL INFORMATION

Editorial Policy 441
Preparation of Papers 443
Editorial Addresses 447

JOURNAL OF OPTIMIZATION
THEORY AND APPLICATIONS

Vol. 33, No. 4 April 1981

CONTENTS

CONTRIBUTED PAPERS

Convergence of a Random Optimization Method for Constrained Optimization Problems, *N. Baba* 451

A Robust Secant Method for Optimization Problems with Inequality Constraints, *E. Polak and D. Q. Mayne* 463

A Limiting Lagrangian for Infinitely Constrained Convex Optimization in R^n, *R. G. Jeroslow* 479

The Limiting Lagrangian as a Consequence of Helly's Theorem, *J. M. Borwein* 497

Indicating Cones and the Intersection Principle for Tangential Approximants in Abstract Multiplier Rules, *D. H. Martin, R. J. Gardner, and G. G. Watkins* 515

On the Saddle-Point Solution of a Class of Stochastic Differential Games, *T. Başar* 539

Minimum Principle for Systems with Boundary Conditions and Cost Having Stieltjes-Type Integrals, *W. L. Chan and S. K. Ng* 557

BOOK NOTICES 575

GENERAL INFORMATION

Editorial Policy 577

Preparation of Papers 579

Editorial Addresses 583

AUTHOR INDEX TO VOLUME 33 587